

BASE COUNT	ORIGIN	Query Match						
		Best Local Similarity	Score	DB	Length	DB	Length	
731	a	99.9%	3431.8;	DB 9;	Length 444;			
Matches	3433;	Conservative	0;	Mismatches	2;	Indels	0;	Gaps
QY	1	AGGACGAGGTCTTCTACCTGAGAGGGGAGACGCCACATGCCATCTCGTG	60					
Db	1000	CAAGGACGAGGTCTTCTACCTGAGAGGGGAGACGCCACATGCCATCTCGTG	60					
QY	61	GTCATGCGATGCTGATCGCTGGAGACGCCACATGCCATCTCGTG	1059					
Db	1060	GTCATGCGATGCTGATCGCTGGAGACGCCACATGCCATCTCGTG	1059					
QY	121	CAAGGCGCTGAGCTCGTTCGGAGAGAGACGCCACCGCCCTCCGGTG	1119					
Db	1120	CAAGGCGCTGAGCTCGTTCGGAGAGAGACGCCACCGCCCTCCGGTG	1119					
QY	181	GACACATGGAGGAGGCCGCTGCTTCGACTGGCTGAGCTGGCTGAGCAGCGAGTC	1179					
Db	1180	GACACATGGAGGAGGCCGCTGCTTCGACTGGCTGAGCTGGCTGAGCAGCGAGTC	1179					
QY	241	GAGGTGCTCCGCGCTGGTGGACGCCGCGCTGCAAGACCTGGAGGCCACAGCTGGCTG	1239					
Db	1240	GAGGTGCTCCGCGCTGGTGGACGCCGCGCTGCAAGACCTGGAGGCCACAGCTGGCTG	1239					
QY	301	TTCGCGCTGGTGGACATCCGGTCAAGATGGACACCTCGCGATGGAC	1299					
Db	1300	TTCGCGCTGGACATCCGGTCAAGATGGACACCTCGCGATGGAC	1299					
QY	361	CAGCGATGCGCCAGACGCCGACTCTGGACAGACATCGACAGAAATTACATG	1359					
Db	1360	CAGCGATGCGCCAGACGCCGACTCTGGACAGACATCGACAGAAATTACATG	1359					
QY	421	GCCACCTGGTGGAGTCAGGATAGCCGGGCGCTCCGAGGCGACACTTCACGCC	480					
Db	1420	GCCACCTGGTGGAGTCAGGATAGCCGGGCGCTCCGAGGCGACACTTCACGCC	480					
QY	481	TTCGCTACAGCCCTCCGCCCGCCGCGAGACAGACAGAGCAACCCAGCTTCACGCC	1479					
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QY	541	AGCCAGAGGAGGCCATGGCGAGGCGATCGGGTGGACCTAGCTGGCTG	1539					
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QY	601	GCCGCTGAGCTCCAGCTCCGCCGCCCTGCGCCGCGCTGAGAGCGCCAGCTGGCAG	1599					
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Db	2740	GTCAGGGGGGAGCTCATCAGCCCTGGAGACTGATCCGGGGAGAGCGCG	2799	QY	1801	ASCGAGAGGGGACAGGGCACAGGGCTTCACCTCATCGAGCCGCACTACCTCTGCGTC	1860	QY	2881	GCCTGGCTTCAGCAGAGACGGCCACATGCAACCTTCCTCGCCACGTC	2940
Db	2800	AGCCAGGACAGGGACACAGCCGCTCGCACCTCATCGAGCCGCGTC	2859	Db	3880	GCCTGGCTTCAGCAGAGACGGCCACATGCAACCTTCCTCGCCACGTC	3939	QY	1861	ASCTGGCTCTGGGGAGAGATGAGAGTGTGAGCTGAGAGGAGACCTCTGCGTC	1920
QY	1921	ATCCAGCATGGGGAGACAGGTGTGAGAARGGGGAGACCTCTGCGTC	1980	QY	2941	TAATGCTGGGGCCAGGACTTCTAGGGGGCTGAGACAGCTTCAGCTGAGTC	2919	Db	2860	ASCTGGCTCTGGGGAGAGATGAGAGTGTGAGCTGAGAGGAGACCTCTGCGTC	2919
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QY	2341	CACCGGGGGGGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2400	QY	3421	ACGACCTGG	4419	Db	3340	CACCGGG	3399
Db	3400	AAAGTCCTCCGCGCATCTGGCTGCTTCATCACAGTTGGGGGGGGGGGG	2460	Db	4420	ACGACCTGG	4434	QY	2401	AAAGTCCTCCGCGCATCTGGCTGCTTCATCACAGTTGGGGGGGGGGGG	2460
QY	2461	ATTAACCTACCATGGCCCCAGGAGCACTCTCTCTGAGAACAGACGGCCACGCC	2520	RESULT	3	BC004286	BC004286	QY	2881	GCCTGGCTTCAGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	3300
Db	3460	ATTACCTACCATGGCCCCAGGAGCACTCTCTCTGAGAACAGACGGCCACGCC	3519	DEFINITION		DEFINITION	DEFINITION	Db	4240	GGGGGGGAGATGGGGGGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	4299
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Db	3580	CTGACCTGG	3639	SOURCE				Db	4420	ACGACCTGG	4434
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Db	3640	TCAGGGGGCTCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	3699	TITLE				Db	4420	ACGACCTGG	4434
QY	2701	ATGG	2760	JOURNAL				QY	3421	ACGACCTGG	4419
Db	3700	ATGG	3759	REFERENCE				Db	4420	ACGACCTGG	4434
QY	2761	CACGG	2820	AUTHORS				QY	3421	ACGACCTGG	4419
Db	3760	CACGG	3819	TITLE				Db	4420	ACGACCTGG	4434
QY	2821	ACGACCTGG	2880	JOURNAL				QY	3421	ACGACCTGG	4419
Db	3820	ACGACCTGG	3879	COMMENT				Db	4420	ACGACCTGG	4434

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Susanna Chan, Readman Chiu, Chris Field, Erin Garland, Pan Guin,
Ietticia Hsiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo
Sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven

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Tissue Procurement: ATCC/PCMD/DP
DNA Library Preparation: Rubin Laboratory
DNA Sequencing by: Genome Sequence
Contact: MGC help desk
Email: cgsbs-r@mail.nih.gov

COMMENT

REMARK

REFERENCE

AUTHORS

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Submitted (01-MAR-2001); National Institutes of Health, Mammalian

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Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,

USA

NHL MGC Project URL: <http://mgc.nci.nih.gov>

Ness, Pawan Pandoh, Anna-Liisa Prabhu, Parvaneh Saeedi, Jacqueline Schein, Diane Smallius, Michael Smith, Lorraine Spence, Jeff Stott, Michael Thorne, Miranada Tsai, Natasha van den Bosch, Jill Vardy, George Yang, Scott Zuyderduyn, Marco Marra.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/ILMN at: <http://Image.Ilnl.gov> Series: IRLA Plate: 13 Row: j Column: 11 Row: j

This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis.

location/Qualifiers
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Db	3353	TCAAGCCGAGCTCTTGCAGGTCGCCCTTGACGGTCGCCCTTGACGGCGGCCAG	3412
QY	2701	ATGGCCCTCATAGAACGGCTTCGGGGCCAAACGGTGGAGGATCTGAGCTTCTGGAGGT	2760
Db	3413	ATGGCCCTCATAGAACGGCTTCGGGGCCAAACGGTGGAGGATCTGAGCTTCTGGAGGT	3472
QY	2761	CTGAGTACATAGAGGAGTGGCCAGGGAGCCGAGATCTGAGCTTCTGGAGGT	2820
Db	3473	CTGAGTACATAGAGGAGTGGCCAGGGAGCCGAGATCTGAGCTTCTGGAGGT	3532
QY	2821	ACCTGAGGGCTGATGAGCTGGCGAGGAGCTGCGGAACTCGCCTTGACGGCTAGCTG	2880
Db	3533	ACCTGAGGGCTGATGAGCTGGCGAGGAGCTGCGGAACTCGCCTTGACGGCTAGCTG	3592
QY	2881	GCCTGAGCCCAAGAACGAGCCAGATGGAGCTGGAGCGCGCTTCGCGCACTTCAG	2940
Db	3593	GCCTGAGCCCAAGAACGAGCCAGATGGAGCTGGAGCGCGCTTCGCGCACTTCAG	3652
QY	2941	TACTGCCTGGCACCGAGGACTTGAGGTGGTGCAGAGGCCCTGGAGCGCTTCGCGCACTTCAG	3712
Db	3653	TACTGCCTGGCACCGAGGACTTGAGGTGGTGCAGAGGCCCTGGAGCGCTTCGCGCACTTCAG	3882
QY	3001	TACGGCTTCTGTGCCAGAACGACCGGGCTGTGCTCCACGGCCATCCGGTGGC	3060
Db	3713	TACGGCTTCTGTGCCAGAACGACCGGGCTGTGCTCCACGGCCATCCGGTGGC	3772
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Db	3773	ATGTTAGGGGAGATGGACCCAGCGCCAGTTCGGAGGCTGGCCCTGGAGATAG	3832
QY	3121	GAGGGCTGAGTGGAGCCAGCCAGCGCCAGTTCGGAGGCTGGCCCTGGAGATAG	3180
Db	3833	GAGGGCTGAGTGGAGCCAGCCAGCGCCAGTTCGGAGGCTGGCCCTGGAGATAG	3882
QY	3181	CGGGAGATCTCAGGAACGCCAGGAAGGGAGCTGGCTCTGCTGGAGGT	3240
Db	3893	CGGGAGATCTCAGGAACGCCAGGAAGGGAGCTGGCTCTGCTGGAGGT	3952
QY	3241	GAGGGCTGAGCCGCTGAGCCAGGCTGGAGGCTGGCCCTGGAGGAACTTCAGGAGCTTGGGTG	3300
Db	3953	GAGGGCTGAGCCGCTGAGGAGCTGGAGGCTGGCCCTGGAGGAACTTCAGGAGCTTGGGTG	4012
QY	3301	CTCGGGGGGGCGGGCTGGCATAGGGGCTGGCATAGGGGGCTGGCATAGGGGG	3360
Db	4013	CTCGGGGGGGCGGGCTGGCATAGGGGCTGGCATAGGGGGCTGGCATAGGGGG	4072
QY	3361	ACAGGCCCTGGCGGGAGCGGGCTGGCATAGGGGCTGGCATAGGGGGCTGGCATAGGGGG	3420
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QY	3421	ACGACCTGAAGCTCA 3437	
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LOCUS	BC013367		
DEFINITION	Homo sapiens, clone	2759 bp	mRNA
ACCESSION	BC013367	IMAGE:3677373,	mRNA, partial cds.
KEYWORDS			
SOURCE	Homo sapiens.		
ORGANISM	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. I (bases 1 to 2769)		
REFERENCE	strauberg, R.		
AUTHORS			
JOURNAL	Direct Submission		
	Submitted 131-Aug-2001; National Institutes of Health, Bethesda, MD, USA.		

Db	1329	ACTGCACACCGAAGGGCTTCCACACAGCTCTGCAAGCTGACGACATCCACCG	1388
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QY	2325	GTGTTGGCAGGACGGACCAACGGGCGCTCTGGAGCTCTGGAGCTCTGGAGGCGA	2384
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Db	1809	CGCGACCCGCTTCAAGACGGCTCTGGAGCTCTGGAGCTCTGGAGGCGCTCTGGAGGCGA	1868
QY	2565	CTCTGAGGGCTTCAACCTCTGGAGCTCTGGAGCTCTGGAGGCGCTCTGGAGGCGA	2624
Db	1869	CTCTGAGGGCTTCAACCTCTGGAGCTCTGGAGGCGCTCTGGAGGCGCTCTGGAGGCGA	1928
QY	2625	GGCGAGGAGAGCTTCAACCTCTGGAGCTCTGGAGGCGCTCTGGAGGCGCTCTGGAGGCGA	2684
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QY	2685	TCTGACCGCCGAGATGGCCCTTACGAAACGCTCTGGAGGCGCTCTGGAGGCGA	2744
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Db	2049	GGATCTCTGAGGTCTGAGACATAGACAGAAGCTTCCGGGGAGCCGGATCT	2108
QY	2805	GGATCTCTGAGGTCTGAGACAGCTTCCGGGGAGCCGGATCT	2864
Db	2109	GGATCTCTGAGGTCTGAGACAGCTTCCGGGGAGCCGGATCT	2168
QY	2865	CTCTGAGGTCTGAGCTTCCGGGGAGCCGGATCT	2924
Db	2169	CTCTGAGGTCTGAGCTTCCGGGGAGCCGGATCT	2228
QY	2925	CTCTGAGGTCTGAGCTTCCGGGGAGCCGGATCT	2984
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FEATURES
source

REFERENCE
Bases 1 to 2418

ACCESSION
BC018777

VERSION
1

REMARK
TITLE
JOURNAL
Submitted (07-DEC-2001) National Institutes of Health, Mammalian Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20592-2590, USA

AUTHORS
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COMMENT
Email: cgbps-r@mail.nih.gov

Tissue Procurement: ARCC/DCD/DRP
DNA Library Preparation: Rubin Laboratory
DNA Sequencing by: Genome Sequence Centre, BC Cancer Agency, Vancouver, BC, Canada
Info@bogsc.bc.ca

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Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINN at: <http://image.llnl.gov>. Series: IML Plate: 40 Row: k Column: 14 This clone was selected for full length sequencing because it passed the following selection criteria: Hexamer frequency ORF analysis.

Location/Qualifiers
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'/clone="IMAGE:869992"
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'/lab_host="DH10B-R"

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 /db_xref="GI:1751853"
 /translation="RSLSYRSGILRLAELAFKDLVSSSTVAVIATLRSGECSV
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 AGSKFADGSSLEAVRUGPSLWILWLMDEWVSSCDPDLQRLRFSRKGQAO
 VPFPRPTILIFTQIQSMPHTQICRIVLGKSRBORDPSASLDTMACIHPWQ
 RDRTPKRRRVEVRYQPELISWELLAETAKTQSQDGMIAKSLQARPLLIS
 CGGDESVKRVTEHLGGQIOMGDSVIGERCRDILQLYQPRILRVPEVPLHSE
 AKASSVCKLQILTRFTLADTSRSLAENGADASMACRKAVALRPLLRLHPLMT
 AALHGPHTHNFOPRROHNTLQHPLHPLQHPLHPLQHPLHPLQHPLHPLMT
 LNRKSSRAAFIINKVQFHLYTYWPAISFQKHADPPLDLSNDLWALKS
 TVEEDLFLVYISDIDMSRPRPTESSAGSLSLIVSLSLPIAEMAPMRSRQ
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 AQTSEARLIRHMEAVM"

Query Match
 Best Local Similarity 69.8%; Score 2397.4; DB 9; Length 2418;
 Matches 2398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1039 AGGCTCAGATGCTGAGGGGCTCTGCCCTCGGCCAGGGCTCGTCGTCAG 1098
 Db 1 AGCTCTAGATGCTGAGGGGCTCTGCCCTCGGCCAGGGCTCGTCGTCAG 60

QY 1099 GACCTGGAGGTGTCAGCTCCACCGTCTGGCGCTCATGCCACCTGGGGAG 1158
 Db 61 GACCTGGAGGTGTCAGCTCCACCGTCTGGCGCTCATGCCACCTGGGGAG 120

QY 1159 CAGTCAGGGTGGAGCGGACCTGATCAGCAAGTCTCGTCAAGGAGCTGAGG 1218
 Db 121 CAGTCAGGGTGGAGCGGACCTGATCAGCAAGTCTCGTCAAGGAGCTGAGG 180

QY 1219 TCCCTCAGCTGGAGAGCTGAGCTGAGCTCTCTGCACTCGGAGCTGGCTCC 1278
 Db 181 TCCCTCAGCTGGAGAGCTGAGCTGAGCTCTCTGCACTCGGAGCTGGCTCC 240

QY 1279 CGGTTCCAGCTGTAAGGCCGTTGCTGCTGCTGCTGAGCTCCCTCTGTGAGG 1338
 Db 241 CGGTTCCAGCTGTAAGGCCGTTGCTGCTGCTGAGCTCCCTCTGTGAGG 300

QY 1339 CCGCTGAGCTGGGGAGCGGCTGGAGACGGCACCTGGAGCCCTGGCTGGGG 1398
 Db 361 CCTCTGCTGAGGCCTCTCTGCTGACTGCTGCTGAGCTGGAGCCCTGGCTGGGG 360

QY 1399 CCGCTGAGCTGGGGAGCGGCTGGAGACGGCACCTGGAGCCCTGGCTGGGG 1458
 Db 301 CCTCTGCTGAGGCCTCTCTGCTGACTGCTGCTGAGCTGGAGCCCTGGCTGGGG 420

QY 1459 TGGCCGACCTGCACTCGAGGTGCTCTCTCCGGGGAGGGCAAGGTAGGCCAG 1518
 Db 421 TGGCCGACCTGCACTCGAGGTGCTCTCTCCGGGGAGGGCAAGGTAGGCCAG 480

QY 1519 GTGACCTCTGTCGCTGCTACTCTGACCTTTCACGATCTGCTGCTGCTGCTG 1578
 Db 541 CTGACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 600

QY 481 GGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540

QY 1579 CTGACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1638

Db 1621 CTGACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2718

QY 2719 CGCTTTCGGGGCCAAAGCTGGAGGATCTGCTGCTGCTGCTGCTGCTGCTG 2658
 Db 1561 AGGACGACGGAGGCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1620

QY 2659 CTGCTGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2778

Db 1681 CGCTTTCGGGGCCAAAGCTGGAGGATCTGCTGCTGCTGCTGCTGCTGCTG 1778

QY 2779 ATGTCCTGGGGAGACCGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTG 2838
 Db 1741 ATGTCCTGGGGAGACCGAGATCTGCTGCTGCTGCTGCTGCTGCTGCTG 1800

QY	1831	CTCATCCAGGCCCCGAGTGCCCCCTGCTCTGAGCTGCTGCTGGGGAGGATGAGATGTC	1890
Db	620	CTCATCCAGGCCCCGAGTGCCCCCTGCTCTGAGCTGCTGCTGGGGAGGATGAGATGTC	679
QY	1891	AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	1950
Db	680	AGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG	739
QY	1951	AGGGCTTCCGAGACCTCTCTGAGCTTACCTACAGCGGAGACAGCGCTGCTGGGA	2010
Db	740	AGGGCTTCCGAGACCTCTCTGAGCTTACCTACAGCGGAGACAGCGCTGCTGGGA	739
QY	2011	GTCCTAGGCTCTACTCTACAGCGAGGGAGCCAGAGGAGGAGGAGGAGGAGGAGGAG	2070
Db	800	GTCCTAGGCTCTACTCTACAGCGAGGGAGCCAGAGGAGGAGGAGGAGGAGGAGGAG	859
QY	2071	GGACTCTACACCTCTCTACAGCGAGGGAGCCAGAGGAGGAGGAGGAGGAGGAGGAG	2130
Db	860	GGACTCTACACCTCTCTACAGCGAGGGAGCCAGAGGAGGAGGAGGAGGAGGAGGAG	919
QY	2131	ACCGAGGGGGGGATGCGAGGATGCGCTGGGGAGGTGGGGGGGGGGGGGGGGGGGGGG	2190
Db	920	ACCGAGGGGGGGATGCGAGGATGCGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	979
QY	2191	CTGCTAGGACCTGCCATATCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2250
Db	980	CTGCTAGGACCTGCCATATCGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1039
QY	2251	CAGGAGTCGGAGAACACCTGAGCTTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAG	2310
Db	1040	CAGGAGTCGGAGAACACCTGAGCTTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAG	1099
QY	2311	CTGCTGCACTGGGAGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	2370
Db	1100	CTGCTGCACTGGGAGCTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	1159
QY	2371	TCCTCATCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	2430
Db	1160	TCCTCATCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1219
QY	2431	ACAACTTGTGGAGTTCATCATAGAACATTAACCTAACATGCTCCAGAGCATCC	2730
Db	1220	ACAACTTGTGGAGTTCATCATAGAACATTAACCTAACATGCTCCAGAGCATCC	2490
QY	2491	TCCTGAGAACAGACGCCGAGCCCTCACCAACCCTGAGCTGAGCTGAGCTGAGCT	2550
Db	1280	TCCTGAGAACAGACGCCGAGCCCTCACCAACCCTGAGCTGAGCTGAGCTGAGCT	1339
QY	2551	ATCGTAAATCCTCTTGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT	2610
Db	1340	ATCGTAAATCCTCTTGAGGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCT	1279
QY	2611	GGCCGGAGAGAGGG	2670
Db	1400	GGCCGGAGAGAGGG	1459
QY	2671	TCCCTGCACTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	2730
Db	1460	TCCCTGCACTCCCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	1519
QY	2731	GGCAAACGG	2790
Db	1520	GGCAAACGG	1579
QY	2791	AGACCCGAGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGC	2850
Db	1580	AGACCCGAGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGC	1639
QY	2851	GAGTGTGGCCGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	2910
Db	1640	GAGTGTGGCCGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	1699
QY	2911	ATGCAAGCGCTTCTGCCAACGTTCTGAGCTGAGCTGAGCTGAGCTGAGCTGAG	2970

RESULT 7

BC010333

LOCUS BC010333

DEFINITION 2730 bp mRNA linear ROD 07-AUG-2002

ACCESSION BC010333

VERSION BC01033.1

KEYWORDS

SOURCE

ORGANISM

Mus musculus

REFERENCE

Makrilia, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

AUTHORS

Mammalia; Eutheria; Rodentia; Sciurognathi; Murida; Murina; Mus.

TITLE

1 (bases 1 to 2730)

JOURNAL

Strausberg, R.

DIRECT SUBMISSION

Submitted (05-JUN-2001) National Institutes of Health, Mammalian

Gene Collection (MGC), Cancer Genomics Office, National Cancer

Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,

NIH-MGC Project URL: <http://mgc.nci.nih.gov>

COMMENT

Contact: MGC help desk

Email: mgcops-nih.gov

Tissue Procurement: Gilbert Smith, Ph.D.

CDNA Library Preparation: Life Technologies, Inc.

DNA Sequencing by: The I.M.A.G.E. Consortium (IINC)

DNA Sequencing by: Baylor College of Medicine Human Genome

Sequencing Center

Center code: BCM-HSC

Web site: <http://www.hscb.com.tmc.edu/cDNA/>Contact: ang@bcm.tmc.edu

Guanarino, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Hale, S.M.,

Yon, V.-S., Kovis, C.R., Lawrence, S., Martin, R.G., Munny, D.M.,

Richards, S., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LINC at: <http://image.linc.gov>

Series: TRAK Plate: 16 Row: n Column: 18 This clone was selected for full length sequencing because it

FEATURES passed the following selection criteria: Hexamer frequency ORF analysis. [Learn more](#)

Db	481	TGTGAGGCTGACTCATAGCAGAAGTCCTCGGGCCCTCATGGAGGCGCTCCCGCA	540
QY	1227	CTCGAGGAGCNGCTGACTGCATCTTCCTCCACTGGGAGTCCTCCCTTCC	1286
Db	541	CTCGGAAGGTTGCTGACAGCGCTCTTCAGCCACACAGAACCTCGGCC	600
QY	1287	AGCTGAAAGCCGTTGTTGCTGAGCTCTGCTGAGGAGCTGGGAGCC	1343
Db	601	AGCTCTGGGCCATGTTGGTGGTGAACCTCTTGTGCTACAGAGAGGAACTCGGCC	660
QY	1344	GGTGGGGGAGGGGGGGGCGACGTTGGGAGCTGGGAGCTGGGGCTGGGAGCC	1403
Db	661	GGCCCGAGCAAGCAGCAGGAGGTGGAGCTGAGGAGCTGGGAGCC	720
QY	1404	GTCAAGGCTCTGTTAGGACTGGTGAATGCTGAGCCGGGGTCGACCTGCC	1463
Db	721	TCTGAGCTCTTGGACTGACTGGCTGGAGACCCGAGCTGGGAGCC	780
QY	1464	CGACCTGCACTTCAAGGCTGCTCTTCACGGAGAAGGGCAAGAGGCA	1517
Db	781	TGACCTTCACTGGAGCTGCTCTTCACGGAGAAGGGCAAGAGGCA	840
QY	1518	GTCGGCTCTTCTGGTCACTCTCTGACCTCTTCAAGGAGCTGGGAGCC	1577
Db	841	GGGCTCTCTCTGGCTGGCCCTACTCTGGCCCTTGACGGACCGCC	900
QY	1578	ACTGACCACTGATCCAGAGCTGAGCCAGAGGGAGAGGTTCACCCCTC	1637
Db	901	GTCGACCGCTGATCGTGTCTCTAGGAGAGCCGCTGGGGTCAACCTTC	960
QY	1638	TGCTCTCTGACTTCCTCTGGCTGGCCCTGACCTGGCTGGGGTCAACCTTC	1697
Db	961	AGCATCCCTGACTCTCTCTGGCCCTGATCGTGTGGGGTCAACCTTC	1020
QY	1698	CCAGGACCCCCAGAGGGGGAGAGGGAGCTGGGGTCAACCTGGGGGAGGT	1757
Db	1021	CCAGGGACTCCAGAGGGGGAGAGGGAGCTGGGGTCAACCTGGGGGAGGT	1080
QY	1758	CATAGCCCTGGAGGTGATCTGGCTGGAGACCGGGAGGGACAC	1817
Db	1081	GCTCAGCTTGTGAGCTTATCTCTGGAGGAGACGGGGAGGGACAC	1140
QY	1818	AGCCGCCCTGACCTCATCGAGGGCGGGAGGTTGCTGACCGGGGAGGT	1877
Db	1141	TGCTCACCCACCTATCGAACGCCGCTGGCCCTGCTGAGCTGGGAA	1200
QY	1878	CGATGAGAGTGTGAGGGTGGAGGAGCACCTGGAGGTGGATCCAGCTGGGAGA	1937
Db	1201	TGATGAGAGTGTGAGGGTGGAGGAGCACCTGGAGGTGGATCCAGCTGGGAGA	1260
QY	1938	CAGGTGCTGGAAAGGGCTGCGAGACCTTGAGGTGGATCCAGCTGGGAGA	1997
Db	1261	CAGGTGCTGGCCAGCGCTGGAGCTGGCTGAGCTGGTGTGCACTTGAGCTGGCCAGA	1320
QY	1998	GCTGGCTGGCGTGGCCCTGAGGCTTACTGACAGCGAGGGCTCCAGAGGT	2057
Db	1321	GGTGGGGTGGCAAGTGGCCCTGAGGCTTACTGACAGCGAGGGCTCCAGAGGT	1380
QY	2058	CCTCAACTGCACTGACGCGCTGTCATGCTTCAAGGCTCTGGAGGAGGACT	2117
Db	1381	CTCGAACCTGCACTGACGCGCTGTCATGCTTCAAGGCTCTGGAGGAGGACT	1440
QY	2118	CGGGCTTGGAGACCGAGGGCGGATGCCATGGAGCTGGGGCTGGGCC	2237
Db	1441	CGGGCTTGTGAGGCAAGTGTGCTGAGCTGAGCTGAGCTGGGGCTGGGCC	1560
QY	2178	GGACCGCTCTGCTGCTGAGCTGAGGACACTGCGCTGAGCTGGGGCTGGGCC	1500
Db	1501	GGACCGCTCTGCTGCTGAGCTGAGGACACTGCGCTGAGCTGGGGCTGGGCC	2297
QY	2238	CCACCACTGCAACTGAGGAGGAGAACCTGAGCTCTGGAGGAGGAGGACT	1111

QY 2730 GGCCAAACGCGGAGGATCTGTTGAGGTCTGAGTCATAGACGAGATGCCCGGG 2789 JOURNAL Submitted (23-NOV-2001) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA

Db 421 GGCCAAACGCGGAGGATCTGTTGAGGTCTGAGTCATAGACGAGATGCCCGGG 480 REFERENCE 4 (bases 1 to 148996)

QY 2790 GAGCCCGAGGATCCGAGGTTCTGAGCTCTGAGCACACCTGAGGGCTGAGGG 2849 AUTHORS Waterston, R.H.

Db 481 GAGACCCAGATCTCTGAGCTCTGAGCACACCTGAGGGCTGAGGG 510 TITLE Direct Submission

QY 2850 GGAGTGTGCGGAACTCGCTTCAGCTGGCCCTCGCTCGAGGATGCCCGGG 2809 JOURNAL Submitted (22-FEB-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA

Db 541 GGAGTGTGCGGCAACCHGCGCTTCAGCTGGCCCTCGCTCGAGGATGCCCGGG 600 REFERENCE 5 (bases 1 to 148996)

QY 2910 CATTGAGGCTTCCGGCCACGNTCTGAGTACTGCTGAGGCGAGGAGTTGGAT 2969 AUTHORS Waterston, R.H.

Db 601 CATTGAGGCTTCCGGCCACGNTCTGAGTACTGCTGAGGCGAGGAGTTGGAT 660 TITLE Direct Submission

QY 3030 TGGCTGCTCACGGGCCTTCCGGAACTCGCTTCAGCTGAGCTGCTCTGAGG 3009 JOURNAL Submitted (28-MAR-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA

Db 721 TGGCTGCTCACGGGCCTTCCGGAACTCGCTTCAGCTGAGCTGCTCTGAGG 3029 REFERENCE 6 (bases 1 to 148996)

Db 661 GGGCAGAGCCCTCGAGAACCTGCTGAGTACGAGTCAGTCAGTCAGTCAGGCCAG 720 AUTHORS Waterston, R.H.

QY 3089 AGATCUCGCCAGGCGCTGAGATCTGCTGAGTCATGAGGCCGTTGAGC 3148 TITLE Direct Submission

Db 781 AGATCUCGCCAGGCGCTGAGATCTGCTGAGTCATGAGGCCGTTGAGC 840 JOURNAL Submitted (30-MAR-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA

QY 3149 GACCCCTCCAAAGCCGGCGCCGCTGGCTGAGGCAAGCCAGGA 3208 REFERENCE 7 (bases 1 to 148996)

Db 841 GACCCCTCCAAAGCCGGCGCCGCTGGCTGAGGCAAGCCAGGA 780 AUTHORS Waterston, R.H.

QY 3249 AGCGAGGGGTTCTGCTGCTGCTGAGGAGCTACGCGCCAGCCCTGAGGCCAGGA 900 TITLE Direct Submission

Db 901 AGCGAGGGGTTCTGCTGCTGCTGAGGAGCTACGCGCCAGCCCTGAGGCCAGGA 960 JOURNAL Submitted (01-JUN-2002) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA

QY 3269 GCGCAGGACATACTCCGGCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGAGGG 3328 REFERENCE 8 (bases 1 to 148996)

Db 961 GCGCAGGACATACTCCGGCCCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGAGGG 1020 AUTHORS Waterston, R.H.

QY 3329 CGTCCAGAACGCCCTCATTCCTACTTCCTGGCCCAAGCCCTGGCTGGCTGGCTGGAGGGATCC 3388 REFERENCE 9 (bases 1 to 148996)

Db 1021 CGTCCAGAACGCCCTCATTCCTACTTCCTGGCCCAAGCCCTGGCTGGCTGGAGGGATCC 1080 AUTHORS Waterston, R.H.

QY 3389 CCGGGGATGGCTGAGCTGGTGTGATGAAAGACGTGACTCTCAA 3437 REFERENCE 10 (bases 1 to 148996)

Db 1081 CGGGGTACATGACTGGCTGGTGTGATGAAAGACGTGACTCTCAA 1128 REFERENCE 11 (bases 1 to 148996)

RESULT 9

AC102953/c

LOCUS AC102953 14896 bp DNA linear PRI 01-JUN-2002

DEFINITION BAC clone RP1-1246C19 from 7, complete sequence.

ACCESSION AC102953

VERSION AC102953.5 GI:21307577

KEYWORDS Hrg.

SOURCE human.
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo. (bases 1 to 148996)

JOURNAL Suiston,J.E. and Waterston,R.B.

ARTICLE Toward a complete human genome sequence

PUBLISHER Genome Res. 8 (11), 1097-1108 (1998)

REFERENCE 99063712

ARTICLE 984704

ARTICLE 2 (bases 1 to 148996)

ARTICLE Du,H. and Kozlowski,A.

JOURNAL Unpublished (2001)

REFERENCE 3 (bases 1 to 148996)

ARTICLE Waterston,R.H.

TITLE Direct Submission

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., Phred Quality \geq 30); an attempt was made to resolve all sequencing problems, such as compressions and repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

The sequence of this clone was established as part of a mapping and sequencing collaboration between the NHGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genome Sequencing Center. For additional information about the map position of this sequence, see <http://www.hgri.nih.gov/DIR/MB/CHR7>, send email to egreen@hgri.nih.gov, or see <http://genome.wustl.edu/gsc>

SOURCE INFORMATION:

The RP1-11 human BAC library was made from the blood of one male donor, as described by Osoegawa,K., Woon,P.Y., Zhao,B., Frangen,E., Ratteni,M., Catanese,J.J. and de Jong,P.J. (1998). An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (<http://www.resgen.com>) or Pieter de Jong and coworkers at <http://www.chori.org> VECTOR: pbac3.6

NEIGHBORING SEQUENCE INFORMATION:

The clone sequenced to the left is RP1-369D24, 2000 bp overlap; the clone sequenced to the right is RP1-1610, 2000 bp overlap; actual start of this clone is at base position 17483 of RP1-369D24; actual end is at base position 63005 of RP1-1610.

33087. ----- from the previous section, base position 32899 to

Unresolved tandem repeat from base position 99549 to 100076
Location/Qualifiers

misc_feature	33926..80048	COMMENT	Berkeley, CA 94720, US
misc_feature	80149..128323	/note="assembly_name:Contig17"	Sequence submitted by: Berkeley Drosophila Genome Project
	1/8424..219964	/note="assembly_name:Contig18"	Lawrence Berkeley National Laboratory, MS 64-121
BASE COUNT	51706 a 56458 c 58030 g 53268 t 502 others		Berkeley, CA 94720
ORIGIN			For further information about this sequence, including its location and relationship to other sequences, please visit our sequence archive Web site (http://fruitfly.berkeley.edu/sequence-archive.html) or send email to droso@lbl.gov .
Query Match	5.48%; Score 186.2; DB 2; Length 219964;	FEATURES	Library locations: 63.6, 83.30.
Best Local Similarity	80.4%; Pred. No. 1.3e-17;	SOURCE	Location/Qualifiers
Matches	218; Conservative 0; Mismatches 53; Indels 0; Gaps 0;	1..14842	
QY	631 CTCAGATTTCCCGTCAACCGGACCTTGTGAGCAGGCTTCCGACCTCCGGCG 690	/organism="Drosophila melanogaster"	
Db	157304 CTCAGATTTCCCGTCAACCGGACCTTGTGAGCAGGCTTCCGACCTCCGGCG 157363	/job_xref="txon:7227"	
QY	691 GCGCGCGCTTCAAGGGCGCTTGGCGAGGAGCTGGCGCGCGCTGCGAGGAGCGCC 750	/chromosome="2R"	
Db	157364 GCGCGCGCTTCAAGGGCGCTTGGCGAGGAGCTGGCGCGCGCTGCGAGGAGCGCC 157423	/map="601..6010"	
QY	751 GAGGGCGGGCATAGGGCGTGTGAGGCGCTGGCGACCGCTGCACTCCGGCG 810	/clone="P1s DS00543 (D193) and DS02867 (D200)"	
Db	157424 GAGGGCGGGCATAGGGCGTGTGAGGCGCTGGCGACCGCTGCACTCCGGCG 157483	/note="d193 extends from bp 81802 to bp 14432;"	
QY	811 CACGGGGTGCCTGTGAGTGAATCAGCGTACCGTACTCTGCTGCCCGCTCG 870	from bp 81802 to bp 14432;"	
Db	157484 CACGGGGTGCCTGTGAGTGAATCAGCGTACCGTACTCTGCTGCCCGCTCG 157543	from bp 81802 to bp 1 to bp 8321 and d200 extends	
QY	871 CGCCAGCTGCGAGCGCTTGCCACTG 901		
Db	157544 CGCCAGCTGCGAGCGCTTGCCACTG 157544		
RESULT 12			
AC004642/c			
DEFINITION	148432 bp DNA linear	INV 01-MAY-1998	
LOCUS	drosophila melanogaster	148432 bp DNA sequence	
ACCESSION	DS02867 (D200)	(P1s DS00543 (D193) and	
		DS02867 (D200), complete sequence.	
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